

## ABSTRACT

The present invention relates to a measuring instrument (1) comprising a channel (60) for moving a sample liquid (BL) containing a solid component (B1) and providing a liquid reaction field and first and second electrodes (31, 32) which are used to apply voltage to the liquid reaction field. The first electrode (31) has an electron transfer interface (31a) for transferring electrons between it and the liquid reaction field when voltage is applied to the liquid reaction field via the first and second electrodes (31, 32). The measuring instrument (1) comprises concentrating means (51) for increasing the concentration of solid components at portions thereof which contact the electron transfer interface (31a) in the liquid reaction field. The concentrating means (51) preferably comprises a water-absorbing layer containing an absorbent polymer material.